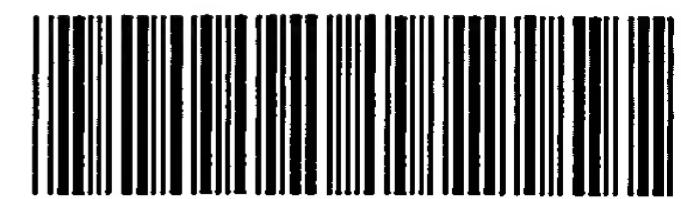


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#8



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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/939,780

DATE: 04/01/2002
TIME: 15:06:44

Input Set : N:\Crf3\RULE60\09939780.raw
Output Set: N:\CRF3\04012002\I939780.raw

1 <110> APPLICANT: O'Connor, Michael
 2 <120> TITLE OF INVENTION: Immunological Assay for Spongiform Encephalopathies
 3 <130> FILE REFERENCE: 50002US
 4 <140> CURRENT APPLICATION NUMBER: 09/939,780
 5 <141> CURRENT FILING DATE: 2001-08-28
 7 <150> PRIOR APPLICATION NUMBER: 09/147,761
 8 <151> PRIOR FILING DATE: 1999-03-03
 11 <150> PRIOR APPLICATION NUMBER: PCT/IE98/00007
 12 <151> PRIOR FILING DATE: 1998-02-06
 13 <160> NUMBER OF SEQ ID NOS: 5
 14 <170> SOFTWARE: PatentIn Ver. 2.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 45
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Artificial Sequence
 20 <220> FEATURE:
 21 <221> NAME/KEY: UNSURE
 22 <222> LOCATION: (45)
 23 <223> OTHER INFORMATION: any amino acid
 24 <223> OTHER INFORMATION: Description of Artificial Sequence: prion protein
 25 specific synthetic peptide
 W--> 26 <400> 1
 27 Met Val Lys Ser His Ile Gly Ser Trp Ile Leu Val Leu Phe Val Val
 28 1 5 10 15
 29 Ala Met Trp Ser Asp Val Gly Leu Cys Lys Lys Arg Pro Lys Pro Gly
 30 20 25 30
 W--> 31 Gly Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Xaa
 32 35 40 45
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 43
 36 <212> TYPE: PRT
 37 <213> ORGANISM: Artificial Sequence
 38 <220> FEATURE:
 39 <223> OTHER INFORMATION: Description of Artificial Sequence: prion protein
 40 specific synthetic peptide
 41 <400> SEQUENCE: 2
 42 Gly Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Trp
 43 1 5 10 15
 44 Gly Gln Pro His Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp
 45 20 25 30
 46 Gly Gln Pro His Gly Gly Gln Gly Gln Pro
 47 35 40
 49 <210> SEQ ID NO: 3

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/939,780
DATE: 04/01/2002
TIME: 15:06:44

Input Set : N:\Crf3\RULE60\09939780.raw
Output Set: N:\CRF3\04012002\I939780.raw

50 <211> LENGTH: 43
51 <212> TYPE: PRT
52 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Description of Artificial Sequence:prion protein
specific synthetic peptide
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56 <400> SEQUENCE: 3
57 Gly Gly Gly Gly Trp Gly Gln Gly Gly Ser His Ser Gln Trp Asn Lys
58 1 5 10 15
59 Pro Ser Lys Pro Pro Lys Thr Asn Met Lys His Val Ala Gly Ala Ala
60 20 25 30
61 Ala Gly Ala Val Val Gly Gly Leu Gly Gly Tyr
62 35 40
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 46
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Description of Artificial Sequence:prion protein
specific synthetic peptide
70
71 <400> SEQUENCE: 4
72 Met Leu Gly Ser Ala Met Ser Ser Pro Leu Ile His Phe Gly Asn Asp
73 1 5 10 15
74 Tyr Glu Asp Arg Tyr Thr Arg Glu Asn Met Tyr Arg Tyr Pro Asn Gln
75 20 25 30
76 Val Tyr Tyr Arg Pro Val Asp Arg Tyr Ser Asn Gln Asn Asn
77 35 40 45
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 33
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence:prion protein
specific synthetic peptide
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87 <222> LOCATION: (1)
88 <223> OTHER INFORMATION: one or more amino acid(s); some may be missing.
W--> 89 <221> VARIANT
90 <222> LOCATION: (2)
91 <223> OTHER INFORMATION: Met, Leu, or Phe
W--> 92 <221> VARIANT
93 <222> LOCATION: (5)
94 <223> OTHER INFORMATION: Met or Val
W--> 95 <221> VARIANT
96 <222> LOCATION: (11)
97 <223> OTHER INFORMATION: Ala or absent
W--> 98 <221> VARIANT
99 <222> LOCATION: (31)
100 <223> OTHER INFORMATION: Leu, Ile, or Met

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/939,780

DATE: 04/01/2002

TIME: 15:06:44

Input Set : N:\Crf3\RULE60\09939780.raw
Output Set: N:\CRF3\04012002\I939780.raw

W--> 101 <221> VARIANT
102 <222> LOCATION: (32)
103 <223> OTHER INFORMATION: Leu, Ile, or Met
W--> 104 <221> UNSURE
105 <222> LOCATION: (33)
106 <223> OTHER INFORMATION: one or more amino acid(s); some may be missing.
W--> 107 <400> 5
W--> 108 Xaa Xaa Lys His Xaa Ala Gly Ala Ala Ala Xaa Gly Ala Val Val Gly
109 1 5 10 15
W--> 110 Gly Leu Gly Gly Tyr Met Leu Gly Ser Ala Met Ser Arg Pro Xaa Xaa
111 20 25 30
W--> 112 Xaa

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/01/2002
PATENT APPLICATION: US/09/939,780 TIME: 15:06:45

Input Set : N:\Crf3\RULE60\09939780.raw
Output Set: N:\CRF3\04012002\I939780.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 45
Seq#:5; Xaa Pos. 1,2,5,11,31,32,33

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/939,780

DATE: 04/01/2002
TIME: 15:06:45

Input Set : N:\Crf3\RULE60\09939780.raw
Output Set: N:\CRF3\04012002\I939780.raw

L:26 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:32
L:86 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:89 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:92 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:95 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:98 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:101 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:104 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:107 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:16
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:32